*Regulatory Peptides*, 29 (1990) 283–285
Elsevier



# Author index

Adelson, J. W., see Chang, , Bennett,
Ahrén, B., see Ostenson, C.-G., 143
Aimone, L. D., see Roddy, D. R., 81
Alho, H., see Bovolin, P., 267
Anderson, J. A., Malfroy, B., Richard, N. R., Kullerstrand, L., Lucas, C. and Binder, P. S., Substance P contracts the human iris sphincter: possible modulation by endogenous enkephalinase, 49

Bagaev, V. A., see Kortesova, N. I., 93
Barnes, C. D., see Chan, J. Y. H., 199
Baumgartl, U., see Zandomeneghi, R., 75
Bennett, T., see Gardiner, S. M., 215
Binder, P. S., see Anderson, J. A., 49
Bloom, S. R., see Lynn, W. A., 251
Bloom, S. R., see Venetikou, M. S., 163
Boster, S. L., see Brown, D. R., 31
Bottura, L., see Zandomeneghi, R., 75
Bovolin, P. Schlichting, J., Miyata, M., Ferrarese, C., Guidotti, A. and Alho, H., Distribution and characterization of diazepam binding inhibitor (DBI) in peripheral tissues of rat, 267
Brackett, D. J., Schaefer, C. F., Lerner, M. R., Holaday, J. W., Fagraeus, L. and Wilson, M. F., Evaluation of thyrotropin releasing as a therapeutic intervention for endotoxemia, 153
Brown, B. L., see Dobson, P. R. M., 109
Brown, D. R., Boster, S. L., Overend, M. F., Parsons, A. M. and Treder, B. G., Actions of neuropeptide Y on basal, cyclic AMP-induced and neurally evoked ion transport in porcine distal jejunum, 31
Buchanan, K. D., see Eedy, D. J., 13
Burrin, J. M., see Venetikou, M. S., 163

Carraway, R. E., Mitra, S. P. and Muraki, K., Isolation and structures of xenopsin-related peptides from rat stomach, liver and brain, 229
Chan, J. Y. H., Barnes, C. D. and Chan, S. H. H., Tonic enhancement of the sensitivity of baroreceptor reflex response by endogenous substance P in the rat, 199
Chan, S. H. H., seen Chan, J. Y. H., 199
Chang, , Nelbach and Adelson, J. W., The amino acid sequence of chymodenin, a hormone-like peptide from porcine duodenum, is identical to cytochrome C-oxidase, peptide VII 241, Bennett,
Compton, A. M., see Gardiner, S. M., 215

Dixon, C. M. S., see Lynn, W. A., 251
Dobson, P. R. M., Skjodt, H., Plested, C. P., Short, A. D., Virdee, K., Russell, R. G. G. and Brown, B. L., Interleukin-1 stimulates diglyceride accumulation in the absence of protein kinase C activation, 109

Eedy, D. J., Shaw, C., Johnston, C. F. and Buchanan, K. D., Characterisation of xenopsin immunoreactivity derived from pepsinised human skin and possible mechanism of in vivo generation, 13
Efendic, S., see Ostenson, C.-G., 143
Ekström, J., see Tobin, G., 173

Fagraeus, L., see Brackett, D. J., 153
Fassler, J. E., O'Dorisio, T. M., Mekhjian, H. S. and Gaginella, T. S., Octreotide inhibits increases in short-circuit current induced in rat colonic by VIP, substance P, serotonin and aminophylline, 189
Feng, D.-M., see Wiesenfeld-Hallin, Z., 1
Ferrarese, C., see Bovolin, P., 267
Folkers, K., see Wiesenfeld-Hallin, Z., 1

Gaginella, T. S., see Fassler, J. E., 189
Gardiner, S. M., Compton, A. M. and Bennet, T., Differential effects of neuropeptides on coeliac superior mesenteric blood flows in conscious rats, 215
Ghatei, M. A., see Venetikou, M. S., 163
Go, V. L. W., see Roddy, D. R., 81
Guidotti, A., see Bovolin, P., 267

Hilsted, L., α-Amidation of gastrin is impaired by diethyldithiocarbamate, 179
Holaday, J. W., see Brackett, D. J., 153

Holst, J. J., see Sjövall, M., 133
Hwang, D. L., and Lev-Ran, A., Infusion of epidermal growth in mice: organ distribution and urinary axcretion, 103
Hynes, M. A., see Jin, S.-L.C., 117
Håkanson, R., see Wiesenfeld-Hallin, Z., 1

Ind, P. W., see Lynn, W. A., 251

Jacob, B. G., see Richter, W. O., 257
Jin, S.-L.C., Hynes, M. A. and Lund, P. K., Ontogeny of glucagon messenger RNA and encoded precursor in the rat intestine, 117
Johnston, C. F., see Eedy, D. J., 13

Karlsson, S., see Ostenson, C.-G., 143
Kimova, V. S., see Kortesova, N. I., 93
Kortesova, N. I., Kimova, V. S., Bagaev, V. A. and Papasova, M. P., The mechanism of action of bombesin on cat lower esophageal sphincter, 93
Kristensson, K., see Wiesenfeld-Hallin, Z., 1
Kullerstrand, L., see Anderson, J. A., 49

Lacoumenta, S., see Venetikou, M. S., 163
Lerner, M. R., see Brackett, D. J., 153
Lev-Ran, A., see Hwang, D. L., 103
Lucas, C., see Anderson, J. A., 49
Lund, P. K., see Jin, S.-L. C., 117
Lundell, L., see Sjövall, M., 133
Luts, A., see Tobin, G., 173
Lynn, W. A., Dixon, C. M. S., Yiangou, Y., Bloom, S. R. and Ind, P. W., Heart rate response to peptide histidine valine in human subjects is not mediated through b receptors, 251

Malfroy, B., see Anderson, J. A., 49
Mekhjian, H. S., see Fassler, J. E., 189
Mitra, S. P., see Carraway, R. E., 229
Miyata, M., see Bovolin, P., 267
Montanari, P., see Zandomeneghi, R., 75
Muraki, K., see Carraway, R. E., 229

Nelbach, see Chang, , Bennett,

O'Dorisio, T. M., see Fassler, J. E., 189
Olbe, L., see Sjövall, M., 133
Ostenson, C.-G., Ahrén, B., Karlsson, S., Sandberg, E. and Efendic, S., Effects of porcine diazepam-binding inhibitor on insulin and glucagon secretion in vitro from the rat endocrine pancreas, 143
Overend, M. F., see Brown, D. R., 31

Ozaki, T. and Yanaihara, N., Structural requirements for galanin action in the guinea-pig ileum 23, Kuwahara, A.

Papasova, M. P., see Kortesova, N. I., 93
Parsons, A. M., see Brown, D. R., 31
Pavesi, C., see Zandomeneghi, R., 75
Plested, C. P., see Dobson, P. R. M., 109
Poppi, C., see Zandomeneghi, R., 75

Richard, N. R., see Anderson, J. A., 49
Richter, W. O., Jacob, B. G. and Schwandt, P., Insulin inhibits lipolytic activity and degradation of b-lipotropin in rabbit adipose tissue, 257
Roddy, D. R., Yaksh, T. L., Aimone, L. D. and Go, V. L. W., Distribution of neuropeptide Y in the spinal cords of cat, dog, rat, man and pig, 81
Russell, R. G. G., see Dobson, P. R. M., 109

Sandberg, E., see Ostenson, C.-G., 143
Schaefer, C. F., see Brackett, D. J., 153
Schlichting, J., see Bovolin, P., 267
Schwandt, P., see Richter, W. O., 257
Serra, L., see Zandomeneghi, R., 75
Shaw, C., see Eedy, D. J., 13
Short, A. D., see Dobson, P. R. M., 109
Sjövall, M., Holst, J. J., Olbe, L. and Lundell, L., Somatostatin release induced by gastrin-releasing peptide in man. Effect of proximal gastric vagotomy and cholinergic blockade, 133
Skjodt, H., see Dobson, P. R. M., 109
Sundler, F., see Tobin, G., 173

Tobin, G., Luts, A., Sundler, F. and Ekström, J., VIP-containing nerve fibres in the submandibular gland of the dog and protein secretion in vitro in response to VIP, 173
Treder, B. G., see Brown, D. R., 31

Venetikou, M. S., Lacoumenta, S., Ghatei, M. A., Burrin, J. M. and Bloom, S. R., Comparative studies on the release of vasopressin and 7B2 from isolated hypothalami, 163
Virdee, K., see Dobson, P. R. M., 109

Wiesenfeld-Hallin, Z., Xu, X.-J., Kristensson, K., Håkanson, R., Feng, D.-M. and Folkers, K., Antinociceptive and substance P antagonistic effects of intrathecally injected spantide II in rat: no signs of motor impairment or neurotoxicity, 1

Wilson, M. F., see Brackett, D. J., 153

Xu, X.-J., see Wiesenfeld-Hallin, Z., 1

Yaksh, T. L., see Roddy, D. R., 81
Yanaihara, N., see Ozaki, T., Kuwahara, A.
Yiangou, Y., see Lynn, W. A., 251

Zandomeneghi, R., Montanari, P., Serra, L., Pavesi, C., Poppi, C., Baumgartl, U. and Bottura, L., Role of vasoactive intestinal polypeptide (VIP) and endogenous somatostatin on the secretion of epidermal growth factor (EGF): studies on duodenal tissue cultures, 75

*Regulatory Peptides*, 29 (1990) 286–288
Elsevier

# Key word index

Acetylcholine; Perifusion; Potassium; Calcium free medium; Osmotic stimulation, 163

Acid protease; Reverse phase HPLC; Inflammatory mediator; Peptide precursor; Radioimmunoassay, 13

Adipose tissue; Lipotropin, $\beta$-; Insulin; Rabbit; Lipolytic activity, 257

Adrenoceptor, $\alpha_2$-; Angiotensin III; Guanabenz; Cardiovascular suppression; Nucleus reticularis gigantocellularis; Rat, 59

Amino acid sequence; Chymodenin; Cytochrome C-oxidase; Gastrointestinal hormone, 241

AMP, cyclic-; Chloride ion absorption; Sodium ion secretion; Neuropeptide Y; Enteric nervous system; Pig; Distal jejunum, 31

Angiotensin III; Adrenoceptor, $\alpha_2$-; Guanabenz; Cardiovascular suppression; Nucleus reticularis gigantocellularis; Rat, 59

Arginine; Perfused pancreas; Isolated pancreatic islet; Somatostatin secretion; Glucose; Glibenclamide, 143

Baroreceptor reflex sensitivity; Substance P; Substance P, (D-Pro$^2$, D-Trp$^{7,9}$); Substance P antiserum; Bestatin; Phosphoramidon; Nucleus tractus solitarius; Rat, 199

Bestatin; Substance P; Substance P, (D-Pro$^2$, D-Trp$^{7,9}$); Substance P antiserum; Phosphoramidon; Baroreceptor reflex sensitivity; Nucleus tractus solitarius; Rat, 199

Blood pressure; Peptide histidine valine; Receptor, $\beta$-; Heart rate, 251

Bombesin; Peptide; Smooth muscle; Field electrical stimulation, 93

Bombesin; Neuromedin U-25; Calcitonin gene-related peptide; Corticotropin releasing factor; Vasopressin, 215

Calcitonin gene-related peptide; Neuromedin U-25; Bombesin; Corticotropin releasing factor; Vasopressin, 215

Calcium free medium; Perifusion; Potassium; Acetylcholine; Osmotic stimulation, 163

Cardiac output; Rat, conscious; Systemic vascular resistance; Metabolism; Tissue injury; Survival, 153

Cardiovascular suppression; Angiotensin III; Adrenoceptor, $\alpha_2$-; Guanabenz; Nucleus reticularis gigantocellularis; Rat, 59

Chloride ion absorption; Sodium ion secretion; Neuropeptide Y; AMP, cyclic-; Enteric nervous system; Pig; Distal jejunum, 31

Cholinergic blockade; Gastrin releasing peptide; Somatostatin release; Vagal denervation, 133

Chymodenin; Cytochrome C-oxidase; Amino acid sequence; Gastrointestinal hormone, 241

Copper chelation; Peptide amidation; Posttranslational modification, 179

Corticotropin releasing factor; Neuromedin U-25; Bombesin; Calcitonin gene-related peptide; Vasopressin, 215

Cytochrome C-oxidase; Chymodenin; Amino acid sequence; Gastrointestinal hormone, 241

Development; Gut; Proglucagon; Glucagon-like peptide; Glucagon-like immunoreactant, 117

Diazepam binding inhibitor; Peripheral organ; Peptide localization, Immunohistochemistry; Specific mRNA; Mitochondrial membrane; PK11195 binding, 267

Diglyceride; Interleukin-1$\beta$; Protein kinase C, 109

Distal jejunum; Chloride ion absorption; Sodium ion secretion; Neuropeptide Y; AMP, cyclic-; Enteric nervous system; Pig, 31

Distribution; Xenopsin; Sequence; Rat; Pepsin; Neurotensin, 229

Dorsal root ganglion; Neuropeptide Y; Radioimmunoassay; HPLC; Spinal cord, 81

Duodenal biopsy; Somatostatin; Vasoactive intestinal polypeptide; Epidermal growth factor-urogastrone; Tissue culture, 75

Enteric nervous system; Chloride ion absorption; Sodium ion secretion; Neuropeptide Y; AMP, cyclic-; Pig; Distal jejunum, 31

Epidermal growth factor-urogastrone; Somatostatin; Vasoactive intestinal polypeptide; Duodenal biopsy; Tissue culture, 75

Epidermal growth factor; Tubular secretion; Mouse, 103
Eye cup model; Thiorphan; Miosis; Immunochemistry; Tachykinin, 49

Field electrical stimulation; Peptide; Smooth muscle; Bombesin, 93

Galanin; Intestinal smooth muscle; Galanin receptor; Neurally evoked muscle contraction, 23
Galanin receptor; Intestinal smooth muscle; Galanin; Neurally evoked muscle contraction, 23
Gastrin releasing peptide; Somatostatin release; Vagal denervation; Cholinergic blockade, 133
Gastrointestinal hormone; Chymodenin; Cytochrome C-oxidase; Amino acid sequence, 241
Glibenclamide; Perfused pancreas; Isolated pancreatic islet; Somatostatin secretion; Glucose; Arginine, 143
Glucagon-like immunoreactant; Gut; Development; Proglucagon; Glucagon-like peptide, 117
Glucagon-like peptide; Gut; Development; Proglucagon; Glucagon-like immunoreactant, 117
Glucose; Perfused pancreas; Isolated pancreatic islet; Somatostatin secretion; Glibenclamide; Arginine, 143
Guanabenz; Angiotensin III; Adrenoceptor, $\alpha_2$-; Carcdiovascular suppression; Nucleus reticularis gigantocellularis; Rat, 59
Gut; Development; Proglucagon; Glucagon-like peptide; Glucagon-like immunoreactant, 117

Heart rat; Peptide histidine valine; Receptor, $\beta$-; Blood pressure, 251
HPLC; Neuropeptide Y; Radioimmunoassay; Spinal cord; Dorsal root ganglion, 81

Immunochemistry; Thiorphan; Miosis; Eye cup model; Tachykinin, 49
Immunohistochemistry; Diazepam binding inhibitor; Peripheral organ; Peptide localization; Specific mRNA; Mitochondrial membrane; PK11195 binding, 267
Inflammatory mediator; Reverse phase HPLC; Acid protease; Peptide precursor; Radioimmunoassay, 13
Insulin; Lipotropin; $\beta$-, Adipose tissue; Rabbit; Lipolytic activity, 257
Interleukin-1$\beta$; Protein kinase C; Diglyceride, 109
Intestinal smooth muscle; Galanin; Galanin receptor; Neurally evoked muscle contraction, 23
Isolated pancreatic islet; Perfused pancreas; Somatostatin secretion; Glucose; Glibenclamide; Arginine, 143

Lipolytic activity; Lipotropin, $\beta$-; Insulin; Adipose tissue; Rabbit, 257
Lipotropin, $\beta$-; Insulin; Adipose tissue; Rabbit; Lipolytic activity, 257

Metabolism; Rat, conscious; Cardiac output; Systemic vascular resistance; Tissue injury; Survival, 153
Miosis; Thiorphan; Eye cup model; Immunochemistry; Tachykinin, 49
Mitochondrial membrane; Diazepam binding inhibitor; Peripheral organ; Peptide localization; Immunohistochemistry; Specific mRNA; PK11195 binding, 267
Mouse; Epidermal growth factor; Tubular secretion, 103

Neurally evoked muscle contraction; Intestinal smooth muscle; Galanin; Galanin receptor, 23
Neuromedin U-25; Bombesin; Calcitonin gene-related peptide; Corticotropin releasing factor; Vasopressin, 215
Neuropeptide; Nociception; Primary afferent, Spinal cord; Substance P antagonist, 1
Neuropeptide Y; Chloride ion absorption; Sodium ion secretion; AMP, cyclic-; Enteric nervous system; Pig; Distal jejunum, 31
Neuropeptide Y; Radioimmunoassay; HPLC; Spinal cord; Dorsal root ganglion, 81
Neurotensin; Xenopsin; Distribution; Sequence; Rat; Pepsin, 229
Nociception; Primary afferent; Spinal cord; Substance P antagonist; Neuropeptide, 1
Nucleus reticularis gigantocellularis; Angiotensin III; Adrenoceptor, $\alpha_2$-; Guanabenz; Cardiovascular suppression; Rat, 59
Nucleus tractus solitarius; Substance P; Substance P (D-Pro$^2$, D-Trp$^{7,9}$); Substance P antiserum; Bestatin; Phosphoramidon; Baroreceptor reflex sensitivity; Rat, 199

Octreotide; Short circuit current, 189
Osmotic stimulation; Perifusion; Potassium; Calcium free medium; Acetylcholine, 163

Pepsin; Xenopsin; Distribution; Sequence; Rat; Neurotensin, 229
Peptide amidation; Posttranslational modification; Copper chelation, 179
Peptide histidine valine; Receptor, $\beta$-; Blood pressure; Heart rate, 251
Peptide localization; Diazepam binding inhibitor; Peripheral organ; Immunohistochemistry; Specific mRNA; Mitochondrial membrane; PK11195 binding, 267
Peptide precursor; Reverse phase HPLC; Acid protease; Inflammatory mediator; Radioimmunoassay, 13
Peptide; Smooth muscle; Bombesin; Field electrical stimulation, 93
Perfused pancreas; Isolated pancreatic islet; Somatostatin secretion; Glucose; Glibenclamide; Arginine, 143
Perifusion; Potassium; Calcium free medium; Acetylcholine; Osmotic stimulation, 163
Peripheral organ; Diazepam binding inhibitor; Peptide localization; Imunohistochemistry; Specific mRNA; Mitochondrial membrane; PK11195 binding, 267
Phosphoramidon; Substance P; Substance P, (D-Pro$^2$, D-Trp$^{7,9}$), Substance P antiserum; Bestatin; Baroreceptor reflex sensitivity; Nucleus tractus solitarius; Rat, 199
Pig; Chloride ion absorption; Sodium ion secretion; Neuropeptide Y; AMP, cyclic-; Enteric nervous system; Distal jejunum, 31
PK11195 binding; Diazepam binding inhibitor; Peripheral organ; Peptide localization; Immunohistochemistry; Specific mRNA; Mitochondrial membrane, 267
Posttranslational modification; Peptide amidation; Copper chelation, 179
Potassium; Perifusion; Calcium free medium; Acetylcholine; Osmotic stimulation, 163
Primary afferent; Nociception; Spinal cord; Substance P antagonist; Neuropeptide, 1
Proglucagon; Gut; Development; Glucagon-like peptide; Glucagon-like immunoreactant, 117
Protein kinase C; Interleukin-1$\beta$; Diglyceride, 109
Protein secretion; Vasoactive intestinal polypeptide; Submandibular gland, 173

Rabbit; Lipotropin; $\beta$-; Insulin; Adipose tissue; Lipolytic activity, 257
Radioimmunoassay; Reverse phase HPLC; Acid protease; Inflammatory mediator; Peptide precursor, 13
Radioimmunoassay; Neuropeptide Y; HPLC; Spinal cord; Dorsal root ganglion, 81
Rat; Angiotensin III; Adrenoceptor, $\alpha_2$-; Guanabenz; Cardiovascular suppression; Nucleus reticularis gigantocellularis, 59
Rat; Substance P; (D-Pro$^2$, D-Trp$^{7,9}$); Substance P antiserum; Bestatin; Phosphoramidon; Baroreceptor reflex sensitivity; Nucleus tractus solitarus, 199
Rat; Xenopsin; Distribution; Sequence; Pepsin; Neurotensin, 229
Rat, conscious; Cardiac output; Systemic vascular resistance; Metabolism; Tissue injury; Survival, 153
Receptor; $\beta$-; Peptide histidine valine; Blood pressure; Heart rate, 251
Reverse phase HPLC; Acid protease; Inflammatory mediator; Peptide precursor; Radioimmunoassay, 13

Sequence; Xenopsin; Distribution; Rat; Pepsin; Neurotensin, 229
Short circuit current; Octreotide, 189
Smooth muscle; Peptide; Bombesin; Field electrical stimulation, 93
Sodium ion secretion; Chloride ion absorption; Neuropeptide Y; AMP, cyclic-, Enteric nervous system; Pig; Distal jejunum, 31
Somatostatin; Vasoactive intestinal polypeptide; Epidermal growth factor-urogastrone; Duodenal biopsy; Tissue culture, 75
Somatostatin release; Gastrin releasing peptide; Vagal denervation; Cholinergic blockade, 133
Somatostatin secretion; Perfused pancreas; Isolated pancreatic islet; Glucose; Glibenclamide; Arginine, 143
Specific mRNA; Diazepam binding inhibitor; Peripheral organ; Peptide localization; Immunohistochemistry; Mitochondrial membrane; PK11195 binding, 267
Spinal cord; Nociception; Primary afferent; Substance P antagonist; Neuropeptide, 1
Spinal cord; Neuropeptide Y; Radioimmunoassay; HPLC; Dorsal root ganglion, 81
Submandibular gland; Vasoactive intestinal polypeptide; Protein secretion, 173
Substance P antagonist; Nociception; Primary afferent; Spinal cord; Neuropeptide, 1
Substance P; Substance P, (D-Pro$^2$, D-Trp$^{7,9}$); Substance P antiserum; Bestatin; Phosphoramidon; Baroreceptor reflex sensitivity; Nucleus tractus solitarius; Rat, 199
Substance P antiserum; Substance P; Substance P, (D-Pro$^2$, D-Trp$^{7,9}$); Bestatin; Phosphoramidon; Baroreceptor reflex sensitivity; Nucleus tractus solitarius; Rat, 199

Substance P, (D-Pro$^2$, D-Trp$^{7,9}$), Substance P; Substance P antiserum; Bestatin; Phosphoramidon; Baroreceptor reflex sensitivity; Nucleus tractus solitarius; Rat, 199
Survival; Rat, conscious; Cardiac output; Systemic vascular resistance; Metabolism; Tissue injury, 153
Systemic vascular resistance; Rat, conscious; Cardiac output; Metabolism; Tissue injury; Survival, 153

Tachykinin; Thiorphan; Miosis; Eye cup model; Immunochemistry, 49
Thiorphan; Miosis; Eye cup model; Immunochemistry; Tachykinin, 49
Tissue culture; Somatostatin; Vasoactive intestinal polypeptide; Epidermal growth factor-urogastrone; Duodenal biopsy, 75
Tissue injury; Rat, conscious; Cardiac output; Systemic vascular resistance; Metabolism; Survival, 153
Tubular secretion; Epidermal growth factor; Mouse, 103

Vagal denervation; Gastrin releasing peptide; Somatostatin release; Cholinergic blockade, 133
Vasoactive intestinal polypeptide; Somatostatin; Epidermal growth factor-urogastrone; Duodenal biopsy; Tissue culture, 75
Vasoactive intestinal polypeptide; Submandibular gland; Protein secretion, 173
Vasopressin; Neuromedin U-25; Bombesin; Calcitonin gene-related peptide; Corticotropin releasing factor, 215

Xenopsin; Distribution; Sequence; Rat; Pepsin; Neurotensin, 229